Dr. Paritosh Nandi holds an M.Tech degree in Energy Science and Technology, and a Ph.D degree in Solar Energy Engineering from Jadavpur University, Kolkata. He is a Certified Energy Manager and a Certified Energy Auditor by the Ministry of Power, Government of India. In his professional career he has worked for leading solar energy companies in India and abroad. He has over 22 years of experience on Research and Development projects in solar energy application. He has a good command over design development of MW level solar firms in both SPV and CSP route. For the last seven years, he has been instrumental in developing Clean Development Mechanism (CDM) projects with various organizations.

Renewable Energy Solution is Dr. Nandi's passion and his focus is on grid-connected and off-grid projects on Solar PV and Solar Thermal including, but not limited to, projects of Jawaharlal Nehru National Solar Mission (JNNSM). Over the years Dr. Nandi has had substantial exposure to Concentrated Solar Power starting from Site Selection and Prefeasibility Report to Installation and Commissioning of Solar Power Plants.

In order to reduce the consumption of fossil fuels, Green Building, which comes under the purview of water and energy efficiency segment, is a sustainable solution. Dr. Nandi has worked on Green Building solutions as mandated by USGBC. Being a Certified Energy Auditor, he feels that Energy Audit and Energy Management issues are to be taken more vociferously in the country than what it is now since there is higher energy usage intensity per household in India when compared to western counterparts which is also suggestive of the fact that current wastage in India is much higher. Dr. Nandi takes keen interest in ESG which includes Carbon advisory services and Clean Development Mechanism (CDM).

Dr. Nandi is currently heading a group of companies promoted by him that are in the diversified businesses of Publications to Renewable Energy. He is also the President of a Charitable Trust that regularly undertakes Corporate Social Responsibility (CSR) projects for empowering rural women through a safer access to clean energy thereby promoting a better standard of life apart from implementing rural solar electrification systems, water heating and lighting through solar in old-age homes, schools and hospitals.

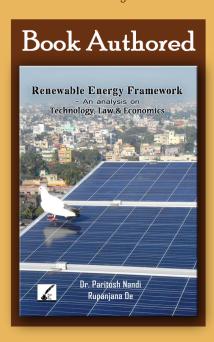
Dr. Nandi has authored several publications in Scientific Journals, Conference Proceedings and Technical Reports worldwide. He is also a referee for various international Journals and acts as a Reviewer for the evaluation of research proposals related to the field of energy and energy efficiency especially those on solar energy devices and systems. He has been reviewing articles from journals like Energy, Solar Energy, Journal of Cleaner Production, Renewable and Sustainable Energy Review, the Journal of Renewable and Sustainable Energy of American Institute of Physics and so on. He is an Editorial Board Member of 'Energy and Power' from Scientific & Academic Publishing.

Dr Nandi had been biographed in Marquis Who's Who in Science and Engineering in 2007 and Marquis Who's Who in the World in 2008 and 2012.

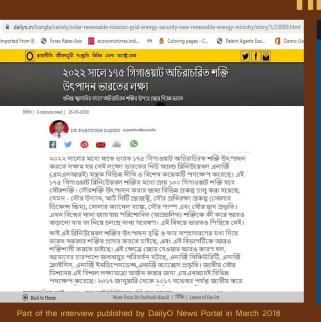


Dr. Paritosh Nandi M. Tech, Ph.D. ☑ paritoshnandy@yahoo.com ② +91-8420046473 DIN No. 00399421

Qualified Online Proficiency Test for Independent Directors conducted by 11CA











EDUCATION

- Ph.D (Engineering) on Solar Energy Application from Jadavpur University, Kolkata
- M.Tech in Energy Science and Technology from Jadavpur University, Kolkata

CERTIFICATION

- Certified Energy Auditor and Certified Energy Manager by the Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India
- Advanced Executive CDM Training Programme by Carbon Minus India
- Energy Conservation Workshop by Indian Institute of Chemical Engineers
- Certification on Lead Auditor course for ISO 9001:2000 in 2005 from SGS
- Diploma in French Language from Jadavpur University

PROFESSIONAL SUMMARY

- Extensive research onto the field of Renewable energy, Solar Thermal & Photovoltaic applications and Energy Conservation.
- Implemented business case with prominence on NPV, IRR and Rol
- Solid exposure on Energy Sectors, Power Sector Regulations, ISO 14001 & 9001 regulations & functionalities
- Project management on Energy Efficiency, Regulatory Affairs, Carbon Market, Requirements Gathering, System Appreciation, Strategy planning, Domain & Business Consulting

CORE COMPETENCIES

- Sustainability, Climate Change, Renewable Energy, Clean Development Mechanism (CDM) functionality, Solar Photovoltaic (SPV), Solar Thermal, Concentrated Solar Power (CSP), Energy Management, Energy Audit
- Technical & Financial analysis of Solar Power Plant Projects, Expertise on general CDM aspects, CDM project development and operation

PROFESSIONAL ACCOMPLISHMENT

- Senior Research Fellow (SRF) with The Ministry of Non-Conventional Energy Sources , Govt. of India from July 2001 to May 2003
- Senior Research Fellow (SRF) with The Council of Scientific and Industrial Research (CSIR), Govt. of India from June 2003 to June 2006
- Design and development of Solar Heating System for Industry, Department of Science and Technology, Govt. of West Bengal, India
- Development of Solar Thermal System for Industry, Department of Science and Technology, Government of India

OTHER ACCOMPLISHMENT

- Editorial Board Member of Energy & Power an international Journal by Scientific and Academic Publishing
- Adjudged winner for writing technical paper for www.energymanagertraining.com
- Selected judge for State level Science Seminar for school students and college level science seminar organized on Rajiv Gandhi Amar Urja Divas (Rajiv Gandhi Renewable Energy Day)
- Resource faculty for UGC Refresher course at Jadavpur University, Kolkata
- Biographed in
 - Marguis Who's Who in Science and Engineering, 2007
 - Marquis Who's Who in the World, 2008
 - Marquis Who's Who in the World, 30th Edition, 2012

REVIEWER

- Reviewer of technical manuscript for Solar World Congress 2005, an international conference by International Solar Energy Society and American Solar Energy Society, Orlando, Florida in August 2005
- Regular Reviewer of international Journals:
 - Energy
 - Renewable and Sustainable Energy Review
 - Journal of Cleaner Production
 - Solar Energy
 - Journal of Renewable and Sustainable Energy of American Institute of Physics

EDITOR

• Editor (Technical) for the magazine Sustainable Energy Review

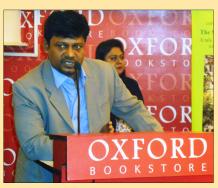
MEMBERSHIPS

Life Member of Indian Association for the Cultivation of Science Life Member of Solar Energy Society of India Ex-member of Institute of Science Education and Culture

Speaker, Faculty and Trainer



Speaking at the session 'Eco-system popularising EVs in India' at the 4th Smart Cities India 2018 Expo held at New Delhi



Speaking at the Book Launch ceremony at Oxford Bookstore, Kolkata



Inaugurating a workshop on Entrepreneurship at Durgapur Institute of Advanced Technology & Management (DIATM), Durgapur in 2016



As a Speaker at 'Green Audit & Our Environment', a UGC sponsored National Seminar organnised by The Bhowanipore Education Society College, Kolkata jointly with the University of Calcutta in 2016



Receiving a memento for speaking at the Mega Event of the 3rd Transport India 2018 Expo in New Delhi



Recieving a memento for speaking at a workshop at the Indian Institute of Engineering, Science & Technology (IIEST), Shibpur in 2019



As a Judge of one of the events at the Vaidyutak 2019 Fest at IIEST, Shibpur



With the students of the School of Management Sciences (SOMS) at IIEST, Shibpur after a delivering a Guest Lecture in 2018



Delivering a lecture as a Faculty for Executive Development Programme, for 40 managers across Power Sector, organised by CESC Limited at International Mannagement Institute (IMI), Kolkata in 2015

Directorships and other Positions

Director, EnVERT E-Vehicles Private Limited
Director, EnVERT Agro and Food Private Limited
Director, Afield Touriosity Private Limited
Director, Nandi Resources Generation Technology Private Limited
Independent Director, Genu Path Labs Limited
President, EnVERT Foundation

CSR Activities



A group photo with the happy inmates of an Old Age Home in Silchar, Assam after successful installation of Solar Lighting and Water-heating System in 2013.



A Unique Art Worshop was organised by EnVERT Foundation at Princep Ghat, Kolkata in August 2016, in the presence of renowned Spanish painter Joaquin Gonzalez Dorao for underprivileged children and struggling artists of Kolkata. Seen here Dr. Paritosh Nandi, President of EnVERT Foundation and the artist giving away momentos and certificates to the participants.

Touriosity, in collaboration with EnVERT Foundation, gifted to the city of Kolkata a specially designed tram in 2016. Named as the 'Wheels of Joy' this light green tram was illustrated with 65 attractions of the city for idea of first time visitors. It plies on all the three tram routes of Kolkata currently.

Core Competencies

- Sustainability
- Clean Development Mechanism
- Concentrated solar power plant
- Electric vehicle batteries
- Energy audit
- Energy efficiency
- Energy engineering
- Energy management
- Entrepreneurship
- EV charging
- Green building
- Industrial process heat
- Internet of Things
- Marketing strategies
- Publishing
- Renewable energy
- Rooftop solar PV
- Solar energy
- Solar photovoltaic
- Solar thermal energy
- Strategy Consulting
- Sustainable Tourism
- U.S. Green Building Council



Projects

Discussing the feasibility of a Grid-connected solar roof-top system with a Nigerian client in Kolkata in 2018



PUBLICATIONS: CONFERENCES / WORKSHOPS / SYMPOSIUMS / JOURNALS / BOOKS

- 1. Paritosh Nandi, *Solar Thermal System for CDM in India, CDM Business Opportunity,* Manual by Dimension Engineering Consultants, an Indian Renewable Energy Development Agency Partner, 2003
- 2. Paritosh Nandi, *Duties and responsibilities of appointed Energy Managers under the Energy Conservation Act, 2001,* www.energymanagertraining.com by Bureau of Energy Efficiency, Ministry of Power, Govt. of India, August 2004
- 3. Paritosh Nandi, *The Association of Indian Energy Managers*, www.energymanagertraining.com by Bureau of Energy Efficiency, Ministry of Power, Govt. of India, June 2004
- 4. Paritosh Nandi and Sujay Basu, *Special Purpose Solar Thermal System as A Clean Development Mechanism Candidate In GHG Emission Reduction*, Proceedings of ECOS 2005 Conference, Volume III, Pg. 1541. The Norwegian University of Science and Technology (NTNU), Trondheim, June 20-22, 2005
- 5. Paritosh Nandi and Sujay Basu, *Heat exchanger simulation of solar concentrating system for food processing industry*, ECOS 2006, Greece, Crete, Greece, 12-14 July 2006
- 6. Paritosh Nandi and Sujay Basu, *Application of solar heating system using parabolic concentrator for food processing industry*, World Renewable Energy Congress IX and Exhibition Florence, Italy, 19-25 August 2006
- 7. Paritosh Nandi and Rupanjana De, *Production of sweetmeat utilizing solar thermal energy: Economic and thermal analysis of a case study*, Journal of Cleaner Production, 15 (2007) 373-377
- 8. Paritosh Nandi, *Potential Assessment of Concentrating Solar Power In India with an Emphasis on India's Opportunity*, Proceedings of SEEP 2009, 12-15 August 2009, Dublin, Ireland.
- 9. Paritosh Nandi and Dipankar Dey, *Suzlon Energy: The Indian Multinational*, ICFAI Journal of Environmental Economics, November 2007.
- 10. Paritosh Nandi and Sujay Basu, *A review of energy conservation initiatives by the Government of India*, Renewable and Sustainable Energy Review, 12(2008) 518-530.
- 11. Paritosh Nandi, *A detailed project report on Concentrated Solar Power Technologies A feasibility study for Moserbaer Photovoltaic Limited*, R&D Department of Moserbaer Photovoltaic Limited, 2008
- 12. Paritosh Nandi, *Solar Thermal Energy Utilization in Food Processing Industry in India*, Pacific Journal of Science and Technology, May 2009.
- 13. Paritosh Nandi and Sujay Basu, *Assessment of solar thermal power generation technologies and an investigation on India's Opportunity*, Proceedings of Dubrovnik Conference 2009
- 14. Paritosh Nandi and Sujay Basu, Zero Energy Building with Special Reference to Renewable Energy Integration, CISBAT, 2011
- 15. Paritosh Nandi and Sujay Basu, *High Temperature Thermal Energy Storage: A Techno-economic Analysis,* Proceedings of ISES Solar World Congress 2011
- 16. Paritosh Nandi, Renewable Energy Certificate Trading: It's Economic Efficiency in the Indian Market, ECOS 2011, Serbia
- 17. Paritosh Nandi, Sustainable Forestry in the light of Rio+20 Conference, Touriosity Travelmag, August-September, 2012
- 18. Paritosh Nandi, Deserts The Hub for Future Energy, TouriosityTraveirmag, December, 2012
- 19. Paritosh Nandi, *Potential and Opportunity of Concentrated Solar Power (CSP) in India: A Review*, Sustainable Energy Review, July, 2013
- 20. Paritosh Nandi, *Zero Energy Building (ZEB) in Reference to Renewable Energy Integration*, Sustainable Energy Review, January, 2013
- 21. Paritosh Nandi, *A Review on REC Mechanism in India*, Sustainable Energy Review (RNI registered magazine), Vol. 1, No. 3, 2013, pp 32-36
- 22. Paritosh Nandi, *Renewable Energy Certificate Trading: It's Economic Efficiency in the Indian Market*, Sustainable Energy Review (RNI registered magazine), Vol. 4, No. 1, 2016, pp 12-15
- 23. Paritosh Nandi, *Green Audit and our Environment*, UGC Sponsored National Seminar On Environmental Awareness: Demand of the Day, Kolkata, 2016